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sequence, into a microorganism which is deficient in orotidine-5'-phosphate decarboxylase nucleic acid sequence having the sequence SEQ ID NO: 1 and cultivating this microorganism on or in a culture medium without uracil.

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- 12. (amended) A process as claimed in claim 10, wherein an Ashbya gossypii strain is used as the microorganism deficient in orotidine-5'-phosphate decarboxylase genes.
- 14. (amended) A process for selecting cells, said process comprising the step of transforming cells with a gene sequence or its homologs as claimed in claim 1 and selecting for the transformed cells.
- 15. (amended) The process as claimed in claim 14 wherein said cells are *Ashbya gossypii*.